

Converting Colors

CIELCh(69, 44.823, 163.370)

Have a look what the booklet for
CIELCh(69, 44.823, 163.370)
contains.

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Color

CIElCh(69, 44.807, 163.435)

Conversions

Conversions Part 1

Format	Color
Hex	49BC90
RGB	73, 188, 144
RGB Percent	29%, 74%, 56%
CMY	0.7142, 0.2631, 0.4357
CMYK	0.61, 0.00, 0.23, 0.26
HSL	157°, 46%, 51%
HSV	157°, 61%, 74%
XYZ	25.7263, 39.3444, 32.5848
YIQ	148.5990, -54.4160, -38.0640

Conversions

Conversions Part 2

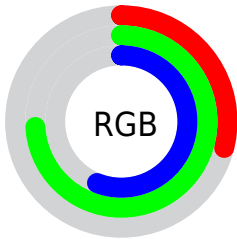
Format	Color
RYB	73, 144, 188
Decimal	4832400
CIELab	69.00, -42.95, 12.77
CIElCh	69, 44.807, 163.435
Yxy	39.3444, 0.2634, 0.4029
Android (android.graphics.Color)	4283022480 (0xFF49BC90)
YUV	148.5990, -2.2673, -66.3003
Hunter-Lab	62.7251, -36.5583, 13.1072

Details

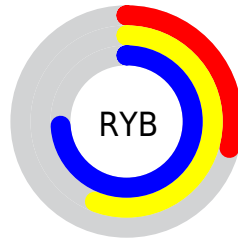
The CIELCh color **69, 44.807, 163.435** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **48, 50.398, 359.003**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 44.800, 163.494**, and **49, 43.290, 162.600** is the 20% darker color. If you saturate the color by 10%, you get **68, 50.339, 161.759**, and if you desaturate by 10%, it is **70, 38.573, 164.925**.

Distribution



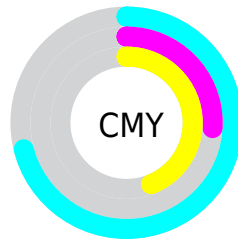
- Red (29%)
- Green (74%)
- Blue (56%)



- Red (29%)
- Yellow (56%)
- Blue (74%)



- Cyan (61%)
- Magenta (0%)
- Yellow (23%)
- Black (26%)





- Cyan (71%)
- Magenta (26%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 44.807, 163.435 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 69, 44.807, 163.435 by changing the saturation by 10% instead.

 69, 44.807,
163.435

 69, 44.807,
163.435


 100, 44.807,
163.435

 59, 44.807,
163.435

 89, 44.807,
163.435

 49, 44.807,
163.435

 99, 44.807,
163.435

 39, 44.807,
163.435

 29, 44.807,
163.435

 19, 44.807,
163.435

 9, 44.807, 163.435

 0, 44.807, 163.435

■ 69, 44.807,
163.435

■ 69, 44.807,
163.435

■ 68, 50.339,
161.759

■ 70, 38.573,
164.925

■ 68, 55.107,
159.881

■ 71, 31.740,
166.256

■ 68, 59.112,
157.796

■ 72, 24.434,
167.452

■ 67, 62.157,
155.868

■ 73, 16.789,
168.537

■ 74, 8.928, 169.541

■ 76, 0.961, 170.842

■ 78, 7.021, 351.172

■ 80, 14.946,
351.986

■ 82, 22.761,
352.731

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



69, 44.807, 163.435



48, 50.398, 359.003

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 44.807, 163.435



69, 44.807, 213.435



69, 44.807, 343.435



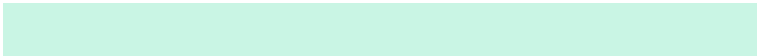
69, 44.807, 33.435

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



69, 44.808, 163.434



93, 17.703, 168.836



70, 65.535, 130.257



49, 12.269, 168.536



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69, 44.808, 163.434



87, 63.236, 161.220



66, 29.672, 211.864



39, 4.532, 169.724



57, 54.383, 156.194



9, 15.226, 162.755

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



48, 50.398, 359.003



57, 71.437, 2.542



49, 48.456, 34.573



37, 4.623, 351.298



33, 59.448, 12.660



3, 13.201, 358.304

Previews

White Background



This preview shows how the CIELCh color 69, 44.807, 163.435 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 69, 44.807, 163.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 44.807, 163.435

Background



This preview shows how black text looks on a background with the CIELCh color 69, 44.807, 163.435.

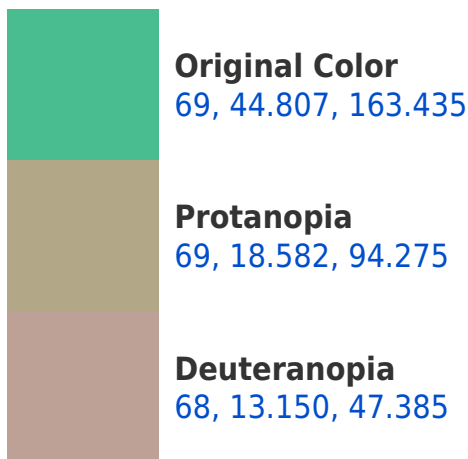


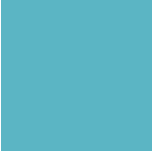
This preview shows how white text looks on a background with the CIELCh color 69, 44.807, 163.435.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
69, 27.660, 214.958

Trichromacy



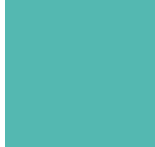
Original Color
69, 44.807, 163.435



Protanomaly
68, 24.451, 141.744



Deuteranomaly
68, 15.721, 144.733



Tritanomaly
69, 31.254, 189.806

Monochromacy



Original Color
69, 44.807, 163.435



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 18.070, 168.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 44.807, 163.435 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(73, 188, 144)` looks like.

```
.text, #text, p{  
    color:rgb(73, 188, 144)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(73, 188, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 188, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 44.807, 163.435 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(73, 188, 144) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(73, 188, 144) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(73, 188, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 188, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 188, 144);  
box-shadow:4px 4px 4px 4px rgb(73, 188,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 44.807, 163.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 188, 144) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(73, 188,  
144) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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